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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/386,556	08/31/1999	BRUCE A. YOUNG	450.262US1	1537

24333 7590 01/30/2002

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EXAMINER

ELAMIN, ABDELMONIEM I

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 01/30/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	Application No. <b>09/386,556</b>	Applicant(s) <b>YOUNG et al</b>
	Examiner <b>Abdelmoniem Elamin</b>	Art Unit <b>2182</b>

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1)  Responsive to communication(s) filed on \_\_\_\_\_.

2a)  This action is FINAL.      2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

#### Disposition of Claims

4)  Claim(s) 1-28 is/are pending in the application.

4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-28 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

11)  The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved.

12)  The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

13)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a) All b) Some\* c) None of:

1.  Certified copies of the priority documents have been received.
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

14)  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

#### Attachment(s)

15)  Notice of References Cited (PTO-892)      18)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_

16)  Notice of Draftsperson's Patent Drawing Review (PTO-948)      19)  Notice of Informal Patent Application (PTO-152)

17)  Information Disclosure Statement(s) (PTO-1449) Paper No(s). 3      20)  Other: \_\_\_\_\_

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## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

2. Claims 1-2, 4 & 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Nanba, US.

Pat. No. 6,297,870.

3. As to claims 1 & 2, Nanba discloses a peripheral communication protocol hub [Fig. 5], comprising;

an input device [*Keyboard K of fig. 5, col. 6, lines 52-53*];

a hub integrated with the input device [*Fig. 5, col. 6 Lines 58-59*] ; and

a plurality of communications protocol connectors on the input device [*Fig. 5, col. 6, lines 49-67, col. 7, lines 1-2*].

4. As to claim 4, Nanba teaches the communication protocol is USB [*USB cable L of Fig. 5, col. 6, line 55*].

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5. As to claim 8, Nanba teaches the communication protocol connectors are USB [USB cable *L of Fig. 5, col. 6, line 55-57*].

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 3, 5-7, 9-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nanba, US. Pat. No. 6,297,870 in view of Garney et al, US. Pat. No. 5,890,015.

8. As to claims 3, 9, 12, 16-19, 23-26 & 28, Nanba does not explicitly teach the communications protocol comprises a wireless connection.

Garney teaches a Wireless Universal Serial Bus System [*see title, abstract, Fig. 4*].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Nanba and Garney, because this would improve the mobility.

9. As to claims 5-7, 13 & 14, Nanba teaches the input device is a keyboard [*Fig. 5*].

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**10.** As to claims 10, 11, 15, 20-22, 27, Nanba teaches the communication protocol is USB [*USB cable L of Fig. 5, col. 6, line 55*].

### ***Conclusion***

*Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdelmoniem I. Elamin whose telephone number is (703) 305-3804, or via e-mail: abdelmoniem.elamin@uspto.gov. The examiner can normally be reached Monday through Friday from 9:30 AM to 6:00 PM.*

*If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin, can be reached at (703)308-3301.*

*Any inquiry of a general nature relating to the status of this application should be directed to the Group receptionist whose telephone number is (703)305-9600.*

*Any response to this action should be mailed to:*

*Commissioner of Patents and trademarks*

*Washington, D.C. 20231*

*Or faxed to:*

*(703) 746-7238              (After-final)*

*(703) 746-7239              (Official)*

*(703) 746-7240              (Non-Official/Draft)*

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*Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA,  
Sixth Floor (receptionist).*

*Abdelmoniem I. Elamin*

*January 28, 2002*

A handwritten signature in black ink, appearing to read "Abdelmoniem I. Elamin". The signature is fluid and cursive, with a large, stylized 'A' at the beginning.